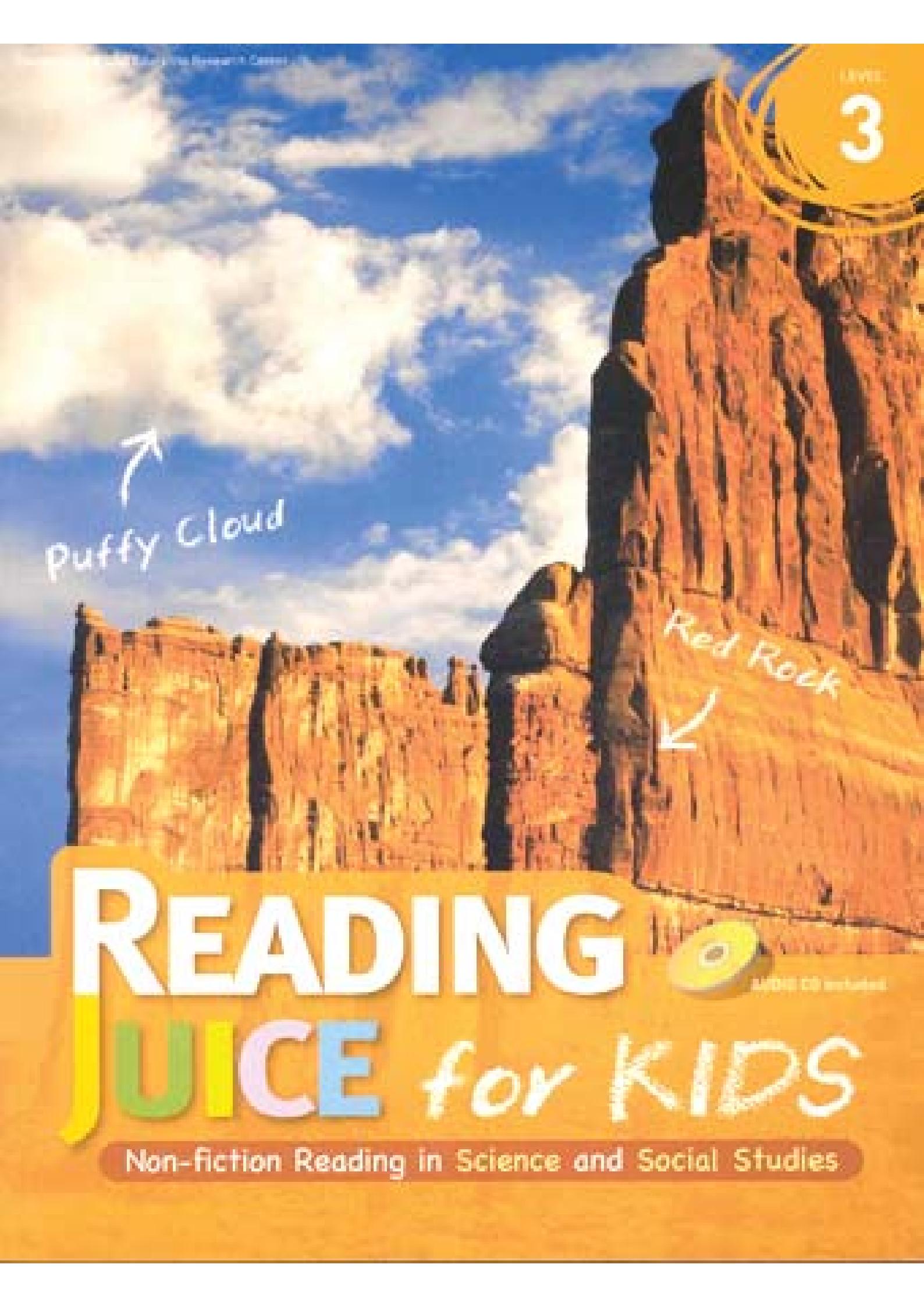


LEVEL
3



puffy Cloud

Red Rock

READING JUICE for KIDS

Non-fiction Reading in Science and Social Studies

READING JUICE for KIDS

Non-fiction Reading in Science and Social Studies



3

Created by THE LAB Education Research Center

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About Reading Juice for Kids Series

Photo allows to start the lesson smoothly and engage students into reading.

A close-up photograph of a brown-throated sloth hanging upside down from a thick tree branch. The sloth's fur is dark brown, and its long, curved claws grip the bark. The background is filled with green leaves and branches. A small circular callout box points to the sloth with the text "Sloths".

Facts about Sloths

Get Ready

1. Which animals are slower or faster than humans?

slower than humans	humans	faster than humans
<input type="checkbox"/> sloth	<input checked="" type="checkbox"/> cheetah	<input type="checkbox"/> dog
<input type="checkbox"/> turtle	<input type="checkbox"/> ostrich	<input type="checkbox"/>

2. Listen and repeat the sentences.

- It is a fact that the Earth is round.
- Sloths live upside down in a cave.
- Your birthday is the day your mom gave birth to you.
- Monkeys are hanging from the tree.
- If a road is curved, it is not straight.

Passage provides methodically written non-fiction articles to broaden students' knowledge in school subjects of science and social studies.

A photograph of a sloth hanging upside down from a tree branch. The sloth's body is curved, and its long, sharp claws are gripping the bark. A small circular callout box points to the sloth with the text "Hanging upside down".

Sloths are the world's slowest animal. They need one minute to move two meters. Here are some other facts about sloths:

Sloths live upside down in trees. They sleep and eat upside down. Mother sloths even give birth to their babies while hanging upside down! Their long, sharply curved claws help them not to fall out of the tree.

Sloths sometimes walk on the ground. They come down to go to the bathroom or to move to another tree, but they only do that once or twice a week because walking is very dangerous for them. It is easier for enemies to catch sloths on the ground. Jaguars and eagles like to eat sloths.

By the way, if you want to watch a sloth move, you will have to wait a long time. This is because sloths sleep for 18 hours a day!

A photograph of a sloth walking slowly on the ground. The sloth has a large, textured body and long limbs. A speech bubble above it contains the word "sloth". In the background, there are palm trees and green foliage.

Get Ready

Background Knowledge activates students into talking to predict the main idea of the passage with their prior knowledge about the topic.

Vocabulary introduces the key words of the passage in sentences with listening practice. The English definition of each word appears in the Glossary on page 78.

Build Vocabulary

confirms the meaning of the key words in various contexts with questions in test format.

Check Comprehension 

Choose the correct answers.

1. What is the passage mainly about?
 the days of lazy sloths
 the life of slow sloths
 the birth of baby sloths

2. What helps a sloth hang from the tree?
 long tail  long claw  strong arm

3. According to the passage, which is true?
 Sloths move four meters in one minute.
 It is easy to watch sloths move.
 Jaguars love to eat sloths.

Fill in the blanks.

4. Sloths give birth to their babies while hanging _____.
5. Sloths walk on the ground to _____ to another tree.

Build Vocabulary 

Complete the sentences.

Facts hang give birth to curved

1. Why don't we _____ a swing from the big tree in the yard?
2. Give me the scientific _____, then I will believe you.
3. Slow down! That road is sharply _____ to the right.
4. Gorillas usually _____ one baby.

Organize Information 

Complete the graphic organizer.

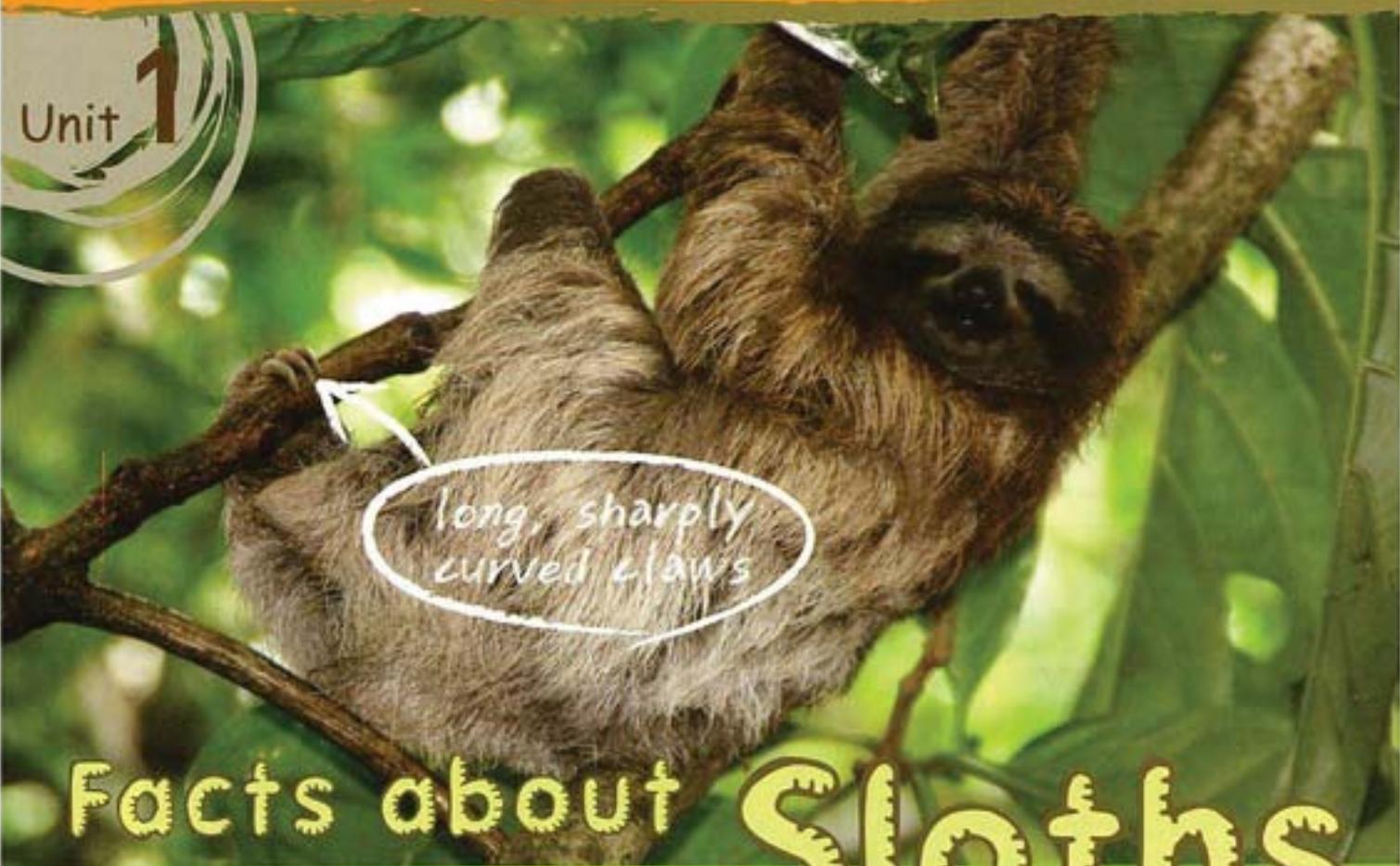
Sloths in Different Places

Sloths in the tree	
	• live _____ • _____ for 18 hours a day
Sloths _____	
	• walk really slow • come down once or twice a week • are _____ because of jaguars and eagles

 sleep  on the ground
 in danger  upside down

Check Comprehension prepares students to get familiar with test format questions as well as confirms students' understanding of the passage.

Organize Information helps students to verify and summarize the knowledge they obtained through reading.

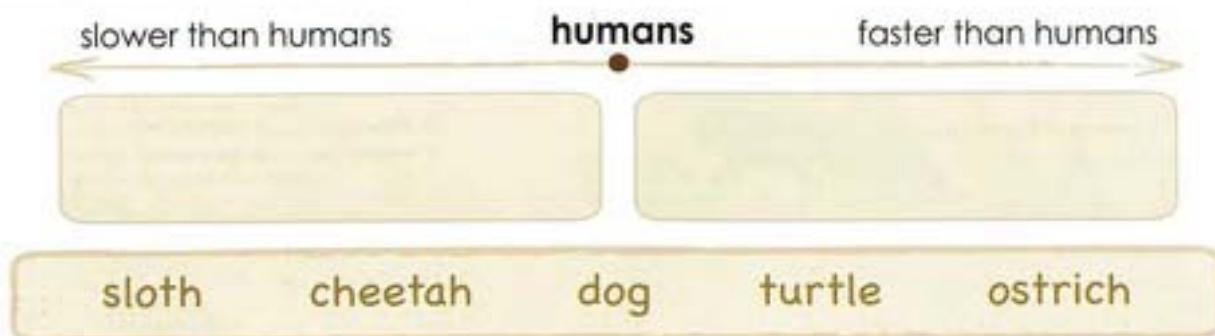


long, sharply
curved claws

Facts about Sloths

Get Ready

1. Which animals are slower or faster than humans?



2. Listen and repeat the sentences.

- It is a **fact** that the Earth is round.
- Bats live **upside down** in a cave.
- Your birthday is the day your mom **gave birth to** you.
- Monkeys are **hanging** from the tree.
- If a road is **curved**, it is not straight.

Sloths are the world's slowest animal. They need one minute to move two meters. Here are some other facts about sloths.

Sloths live upside down in trees. They sleep and eat upside down. Mother sloths even give birth to their babies while hanging upside down! Their long, sharply curved claws help them not to fall out of the tree.

Sloths sometimes walk on the ground. They come down to go to the bathroom or to move to another tree. But they only do that once or twice a week because walking is very dangerous for them. It is easier for enemies to catch sloths on the ground. Jaguars and eagles like to eat sloths.

By the way, if you want to watch a sloth move, you will have to wait a long time. This is because sloths sleep for 18 hours a day!



Check Comprehension



Choose the correct answers.

1. What is the passage mainly about?

- a the days of lazy sloths
- b the life of slow sloths
- c the birth of baby sloths

2. What helps a sloth hang from the tree?

a



long tail

b



long claw

c



strong arm

3. According to the passage, which is true?

- a Sloths move four meters in one minute.
- b It is easy to watch sloths move.
- c Jaguars love to eat sloths.

Fill in the blanks.

4. Sloths give birth to their babies while hanging _____.

5. Sloths walk on the ground to _____ to another tree.

Build Vocabulary

Complete the sentences.

facts

hang

give birth to

curved

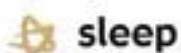
- Why don't we _____ a swing from the big tree in the yard?
- Give me the scientific _____, then I will believe you.
- Slow down! That road is sharply _____ to the right.
- Gorillas usually _____ one baby.

Organize Information

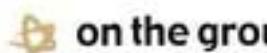
Complete the graphic organizer.

Sloths in Different Places

sloths in the tree	<ul style="list-style-type: none"> live _____ _____ for 18 hours a day
sloths <hr/> <hr/>	<ul style="list-style-type: none"> walk really slowly come down once or twice a week are _____ because of jaguars and eagles



sleep



on the ground



in danger



upside down



stadium

Gladiators

Get Ready

1. Which words tell about fighting sports?

fan
ring

pool
boxer

fighter
wrestler

famous
dangerous

2. Listen and repeat the sentences.

- a. Everybody had a great time and **enjoyed** the party.
- b. The Greek myths tell us about the **ancient** Greece.
- c. The sports fans are **cheering** loud for the winning team.
- d. I **received** many presents on my birthday this year.
- e. You should pay **attention** to your teacher in class.

Many people enjoy watching fighting sports. The ancient Romans also liked to watch fights. The fighters were called gladiators.

The fights took place in a large stadium. People filled the stadium. Then, the gladiators walked in slowly. They waved to the cheering crowd. They wore strong armor and held their swords high. Then, a loud horn sounded—the fight started!

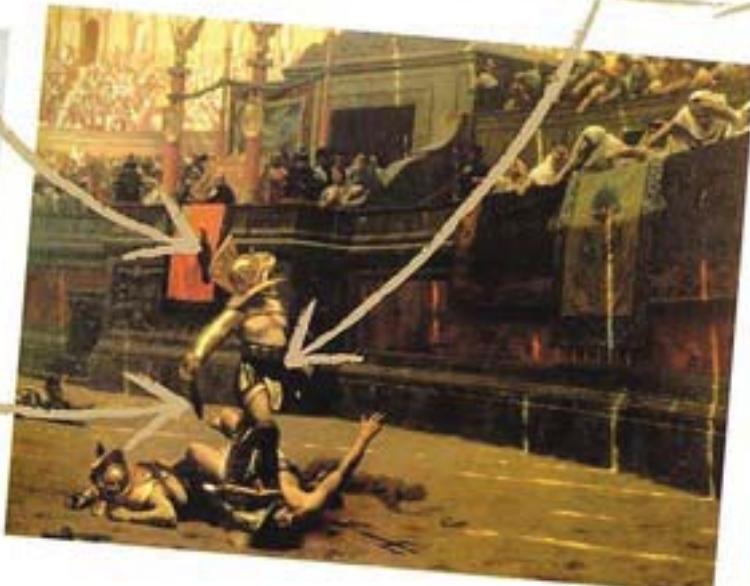
Sometimes gladiators fought each other. Other times, they fought wild animals like lions, crocodiles, and bulls. The gladiator fights lasted all day. Some gladiators even died. But a champion gladiator received lots of money.

Some gladiators even became very famous. They got a lot of attention like movie stars nowadays.

gladiators

armor

sword



Title: *Les Gladiateurs*, 1872
Painter: Gustave Courbet

Check Comprehension



Choose the correct answers.

1. What is the passage mainly about?

- a how gladiators killed animals
- b how gladiators used stadiums
- c how gladiators fought

2. Where did gladiators fight?

a



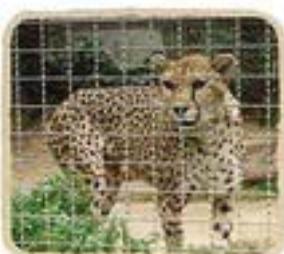
at the stadium

b



on the mountain

c



in an animal cage

3. According to the passage, which is true?

- a Gladiators were movie stars.
- b Gladiators fought for two hours.
- c Gladiators wore strong armor.

Fill in the blanks.

4. The ancient Romans enjoyed _____ fighting sports.

5. A winner gladiator received _____.

Build Vocabulary

Complete the sentences.

enjoyed

ancient

Attention

receive

1. _____, please! Here comes today's homework.
2. This _____ vase was made 500 years ago.
3. I really _____ the boat ride. I love water activities.
4. Did you _____ the email I sent you?

Organize Information

Complete the graphic organizer.

A Scene at the Ancient Stadium

Gladiators _____ waving to the crowds.



Gladiators _____ high.



A fight _____.



Gladiators _____ or wild animals.

 entered the stadium

 started with a loud horn sound

 fought each other

 held their swords





Meet Joey

Get Ready

1. What are the names of these animals?

baby kangaroo –

baby cat –

baby chicken –

baby frog –

tadpole

kitten

chick

joey

2. Listen and repeat the sentences.



- a. A father seahorse has a **pouch**.
- b. A baby **crawls** over to his mom.
- c. When I **grow up**, I want to be a singer.
- d. I only have **a few** candies left.
- e. The party is so fun that I don't want to **leave**.

Joey is the name for a baby kangaroo. When a joey is born, it doesn't look like a kangaroo. It is red. It has no fur. It looks like a peanut!

A newborn joey cannot see. It is blind. But it has no problem finding a way to its mother's pouch. It just crawls up and goes into the mother's pouch. The mother's pouch becomes its first home.

A joey grows up in its mother's pouch. It drinks its mother's milk. It becomes bigger and bigger. Fur starts to grow. Red fur is for a boy. Gray fur is for a girl.

After a few months, a joey's back legs start to grow. The legs start to grow bigger and stronger. Now it's time for a joey to come out of the pouch. It jumps and runs around in the field. And then a joey comes back to its mother's pouch to sleep.

A joey stays in its mother's pouch for about a year. When it becomes bigger than the pouch, it leaves its first home. Good bye and good luck, Joey!



Check Comprehension



Choose the correct answers.

1. What is the passage about?

- a the life a baby kangaroo
- b how kangaroos give birth
- c the first home of kangaroos

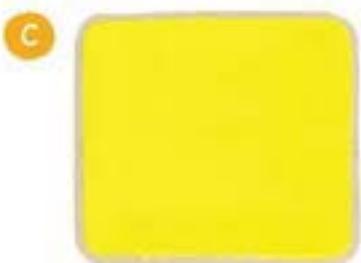
2. What is the color of a boy kangaroo?



red



gray



yellow

3. According to the passage, which is true?

- a A joey does not come out of the pouch.
- b A baby kangaroo sleeps in its mother's pouch.
- c Kangaroos carry their babies for several years.

Fill in the blanks.

4. A newborn kangaroo looks like a _____.

5. A joey drinks _____ inside its mother's pouch.

Build Vocabulary

Complete the sentences.

a few

crawling

grew up

leave

1. My brother _____ to be a soccer player.
2. I can _____ the classroom when I'm done with the test.
3. A spider is _____ up to the ceiling.
4. There are _____ seats left in the theater.

Organize Information

Complete the graphic organizer.

Facts about a Joey

a newborn joey

a 1-year-old joey

- blind but no problem _____

- getting _____

- Fur starts to grow.

- _____

- start to grow.

- time _____



 bigger

 Back legs

 to leave the mother's pouch

 finding its mother's pouch





Your ID, Please!

Get Ready

1. Which do you think can tell who you are?

handwriting	library card	voice	height
hair color	foot size	eyes	parents

2. Listen and repeat the sentences.



- If you **change** your hair color, you usually look different.
- The tablecloth has a strawberry **pattern**.
- Please, **sign** your name on the library card.
- It is difficult to **recognize** people in masks.
- A key is used to lock and **unlock** the door.

Everything about us changes. We grow taller. Our voices become different. But one thing never changes. Our fingerprints!

Turn your hand over. Look at the tips of your fingers. There are many lines on them. These lines make special patterns. They are your fingerprints. Everyone has different fingerprints. Even twins have different fingerprints.

Fingerprints tell who you are. In the past, people used their fingerprints to sign papers. Today, some homes have a special door system. You press your finger on a small screen. Then, the screen reads your fingerprint. It recognizes who you are. Finally, the system unlocks the door.

Soon, nobody will carry any keys or cards. You will be recognized just by your fingerprints.

fingerprint

door system



Check Comprehension



Choose the correct answers.

1. What is the passage mainly about?

- a body parts that never change
- b door systems that use fingerprints
- c fingerprints that help recognize people

2. Which never changes?

a



a face

b



a fingerprint

c



fingers

3. According to the passage, which is true?

- a Twins have the same fingerprints.
- b People have special patterns on their fingers.
- c Nobody carries keys any more.

Fill in the blanks.

4. Everyone has _____ fingerprints.

5. The screen of a door system _____ your fingerprints.

Build Vocabulary



Complete the sentences.

change

sign

recognize

unlock

- Ask your mom to _____ your homework notebook.
- He will bring the extra keys to _____ the door.
- In autumn, some leaves _____ their color from green to red.
- I did not _____ you in the Dracula costume.

Organize Information



Complete the graphic organizer.

Fingerprints

where	They are _____ of fingers.
what	There are _____ made by many lines.
how to use	They were used to _____ in the past. They are used to _____ nowadays.

 sign papers

 special patterns

 at the tip

 unlock the door

Vocabulary Check 1

Match the pictures with the words.

1.



2.



3.



4.



a stadium

b upside down

c fur

d claw

Match the words with the similar meanings.

1. unlock

.

a autograph

2. sign

.

b open

3. give birth to

.

c pocket

4. pouch

.

d bear

Choose the correct answers.

1. When it gets cold, water _____ into ice.
a melts **b** changes **c** stays
2. Dad will _____ on a business trip tomorrow.
a leave **b** arrive **c** stay
3. I won the race and _____ a huge trophy.
a received **b** enjoyed **c** left
4. The _____ Egyptians built pyramids for their kings.
a modern **b** ancient **c** future

Complete the dialogue.

- A:** A stranger rang the door bell when I was home alone.
- B:** That sounds scary.
- A:** Yes, it was! _____ minutes later, the stranger rang the bell again. So I called Mom on the phone.
- B:** And?
- A:** She said, “_____ the door! I’m right outside!”
- B:** How could you not _____ your mother?
- A:** She _____ her hair color, so I didn’t know it was her.

Unlock

changed

recognize

A few



Don't Bite Me!

Get Ready

1. What do you know about mosquitoes?

They can find people by the smell.

True False

They all die in winter.

Their bites can kill people.

They lay eggs.

2. Listen and repeat the sentences.



- Bees make a **buzzing** sound with their wings.
- She won the award for best **female** artist.
- Mosquitoes **suck** your blood with a needle-like tube.
- The cold made me **sneeze** all day.
- Mosquito bites **itch**.

You hear a buzzing sound. You wave your hand. But soon you feel an itch. So you scratch your skin. It becomes red and bumpy. You have a mosquito bite.

The male mosquito eats nectar from fruit and flowers. Only the female sucks blood. She has a needle-like tube around her mouth. She puts that into your skin. Then, the mosquito sucks your blood. The mosquito also puts in some spit. Your body doesn't like that.

If something gets into your nose, your body pushes it out by sneezing. Your skin is like your nose. If something gets inside your skin, the skin tries to push it out. Your skin "sneezes" by turning red. It also itches a lot!

So in the future, if you hear a buzzing sound, RUN!



Check Comprehension



Choose the correct answers.

1. What is the passage mainly about?

- a why mosquitoes bite
- b why mosquito bites itch
- c why mosquitoes like to bite

2. What do male mosquitoes eat?

a



blood

b



bugs

c



nectar

3. According to the passage, which is NOT true?

- a If a mosquito bites you, you feel itchy.
- b Mosquitoes put their spit in people's skin.
- c Mosquitoes like red and bumpy skin.

Fill in the blanks.

4. The skin becomes red and bumpy when you _____.

5. Only _____ mosquitoes suck blood.

Build Vocabulary

Complete the sentences.

suck

buzzing

sneeze

itches

1. My back _____. Can you scratch my back?
2. I couldn't sleep because of the _____ sound.
3. Don't _____ your finger. You are not a baby.
4. My hair tickled my nose and made me _____.

Organize Information

Complete the graphic organizer.

Problem	Solution
Something gets into _____.	→ You push it out _____.
Something gets into _____.	→ Your skin _____.

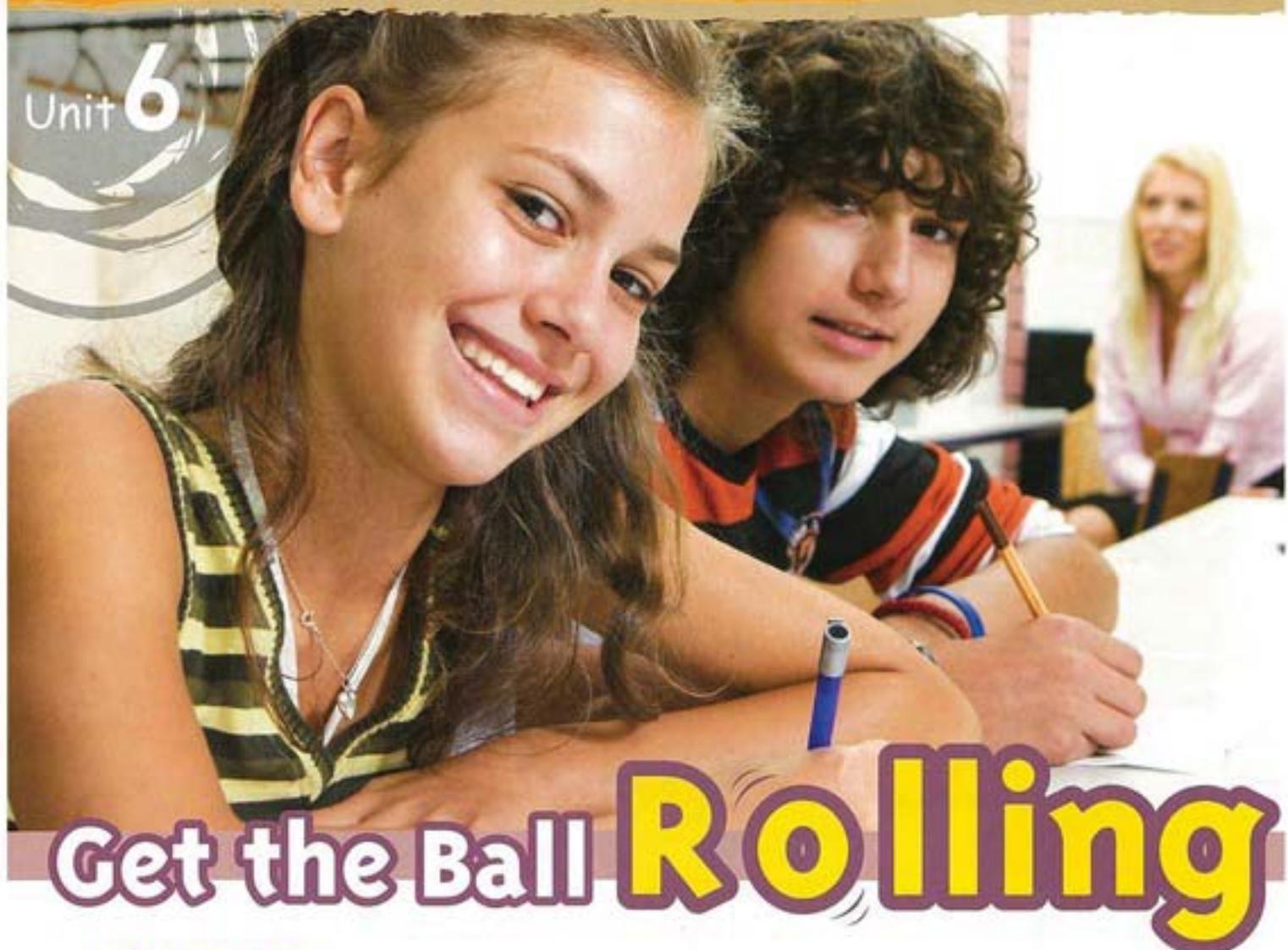
your nose

becomes red and itchy

your skin

by sneezing





Get the Ball Rolling

Get Ready

1. What are in your pencil case?

ballpoint pen

pencil

crayon

eraser

paper clip

scissors

marker

ruler

2. Listen and repeat the sentences.



- Don't skate on the **thin** ice.
- Please, **fill** the empty jar with water.
- The ball **rolls** down the hill.
- I took a walk **along** the river.
- Do not **leave** any trash when you go.

There are many great inventions—computers, cars, and airplanes. But there is another great invention. It is small. It has many colors. And people use it everyday. What is it? It is the ballpoint pen.

The Biro brothers invented the ballpoint pen in 1938. First, they made a thin tube. There was a tiny ball at one end. Then, they filled the tube with ink. Last, they put a cover over the tube. This became the ballpoint pen.



When people write with a ballpoint pen, the tiny ball rolls along the paper. The ink from the thin tube covers the ball. So when the ball rolls, it leaves ink on the paper. That is how people can see what they are writing.

The Biro brothers' ballpoint pen is a simple invention. But many people use it every day. It is one of the greatest inventions.



Check Comprehension



Choose the correct answers.

1. What is the passage mainly about?

- a the invention of a ballpoint pen
- b the Biro brothers' history
- c how to use a ballpoint pen

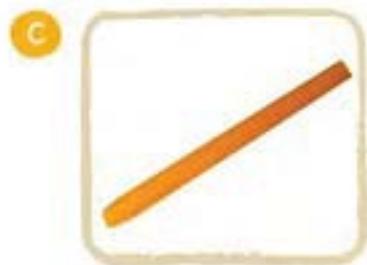
2. What is put over the tube of a ballpoint pen?



a cap



a ball



a cover

3. According to the passage, which is true?

- a The first ballpoint pen's tube was filled with oil.
- b The ball of a ballpoint pen rolls along the paper.
- c In 1983, the Biro brothers invented the ballpoint pen.

Fill in the blanks.

4. A ballpoint pen has a thin _____ inside.

5. A ball in the ballpoint pen _____ ink on the paper.

Build Vocabulary



Complete the sentences.

thin

rolling

leave

filled

- I would like to eat _____ pizza. Thick ones do not taste good.
- When you get off the bus, don't _____ your stuff behind.
- People were surprised to see many coins _____ down the hall.
- My baby brother _____ his pocket with candies.

Organize Information



Complete the graphic organizer.

Biro Brothers' Ballpoint Pens

First, the Biro brothers _____.



Next, they _____ at the end of the tube.



Then, they _____ with ink.



Last, they _____ over the tube.



made a thin tube



put a cover

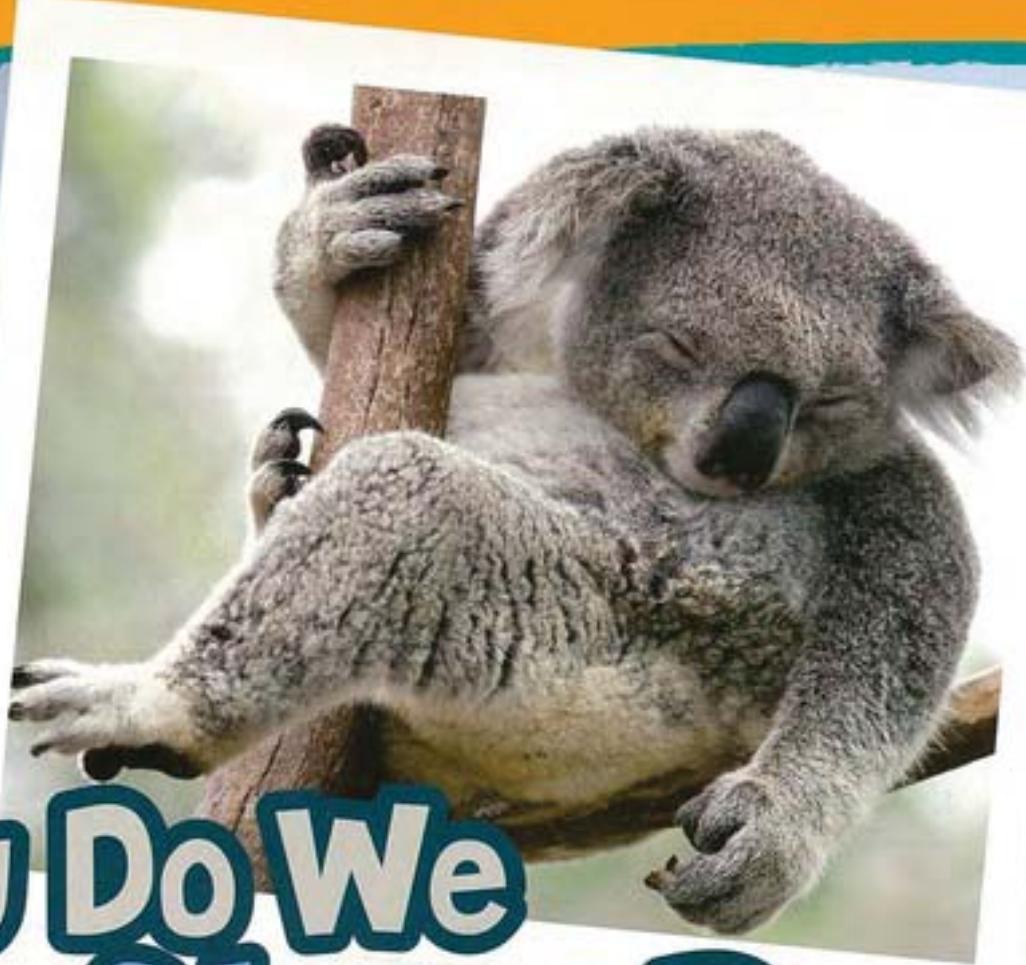


put a tiny ball



filled the tube





Why Do We Sleep?

Get Ready

1. What do you do in your sleep?

talk

dream

close your eyes

snore

sleep walk

grind your teeth

2. Listen and repeat the sentences.

- You feel **tired** after working hard.
- We **breathe** to let air into our body.
- Taking a nap is a good way to **rest**.
- My **active** dog jumps around in the house.
- Don't **forget** to carry an umbrella on a rainy day.

The sun goes down. It is dark outside. You feel tired. You want to go to sleep. All living things—from humans to bugs—sleep every day.

Our bodies are like machines. We use them all day long. We keep moving and breathing with our bodies. But machines need to rest sometimes. So do our bodies. During sleep, our bodies rest. They build up energy for the next day. Our bodies slow down. Our hearts beat slowly, and our muscles relax.

But our brains are still active even while we are sleeping! Our brains remember what we did that day. When we sleep, our brains put the memories into the right places, or they throw some memories away. This is how we remember important things and forget bad things.

Sometimes your mom gets angry if you sleep a lot. But now you can tell her your body is resting and your brain is trying to forget bad things!



Check Comprehension



Choose the correct answers.

1. What is the passage mainly about?

- (a) what our brains remember
- (b) how much we sleep
- (c) why we need to sleep

2. Which part of our body is active during sleep?



the brain



muscles



ears

3. According to the passage, which is NOT true?

- (a) Like machines, we use our body all day long.
- (b) Our brains keep all the memories during sleep.
- (c) Our bodies build up energy during sleep.

Fill in the blanks.

4. During sleep, our hearts beat slowly, and our muscles _____.

5. Our brains put the _____ into the right places during sleep.

Build Vocabulary



Complete the sentences.

rest

tired

breathe

forget

1. Don't _____ to walk the dog everyday.
2. We _____ faster and harder when we run.
3. I don't study on weekends. I need to _____.
4. I feel _____ because I couldn't sleep last night.

Organize Information



Complete the graphic organizer.

While You are Sleeping



Body

- _____ energy
- heart beats slowly
- muscles _____

Brain

- is _____
- _____ important things
- throws away bad memories



remembers



builds up



active



relax



Unit 8



Saving Energy

Get Ready

1. What can you do with energy?

watch TV

play video games

keep ice cream frozen

turn on the air conditioner

2. Listen and repeat the sentences.



- a. I will **save** money to buy a bicycle.
- b. Mom wants me to **turn off** the TV and do my homework.
- c. **Turn down** the music, please!
- d. Water is **dripping** from the tap.
- e. Kate was sick. But now she is **healthy**.

You can read books at night under a light. You can stay cool on a hot summer day with air conditioning. Energy makes all these happen. But our planet Earth does not have enough energy any more. Now, you need to help the Earth by saving energy. Here is how you can do that.

1. Switch it off!—When you leave a room, turn off the lights. Turn off the computer, VCR, and TV, too.

2. Close it!—Do not think about what you will eat with the refrigerator open. Think first, and then open the door.

3. Turn it down!—Turn down the heater or air conditioner. Are you cold? Put on a sweater. Are you hot? Open the window.

4. Turn it off!—When you brush your teeth, don't let the water run. Sometimes, water drips from the tap. Make sure to turn it off.

Remember, each time you save energy, the Earth gets healthier.



Check Comprehension



Choose the correct answers.

1. What is the passage mainly about?

- a how machines help save energy
- b how to save energy everyday
- c why saving energy is important

2. What does NOT save energy?

a



a closed refrigerator

b



a dripping tap

c



a turned off computer

3. According to the passage, which is NOT true?

- a Energy makes you stay cool on a hot summer day.
- b The Earth has enough energy for everyone.
- c People can start with small things to save energy.

Fill in the blanks.

4. Always _____ the computer after using it.

5. If you are cold, _____ a sweater.

Build Vocabulary

Complete the sentences.

save

turn down

dripping

healthy

- To be _____, you have to eat well.
- Could you _____ the radio? It is so noisy.
- We need to fix the tap. The water is _____ all day.
- I will not eat all the candies now. I will _____ some for later.

Organize Information

Complete the graphic organizer.

Problem	Solution
<p>The Earth does not have _____.</p> 	<ul style="list-style-type: none"> Switch off the light _____. _____ the air conditioner or heater. _____ when you don't use it. Don't keep the refrigerator door open.



Turn down



when you leave the room



enough energy



Don't let water run

Vocabulary Check 2

Match the pictures with the words.

1.



2.



3.



4.



a muscles

b tube

c drip

d sneeze

Match the words with the similar meanings.

1. rest .

a working

2. healthy .

b not sick

3. turn off .

c relax

4. active .

d stop

Choose the correct answers.

1. I want to _____ this piggy bank with money.
a fill **b** full **c** empty
2. She was very sick. She was coughing and _____ all day.
a laughing **b** sneezing **c** tipping
3. Take your little sister with you to the playground. Don't _____ her behind.
a stop **b** leave **c** make
4. We like to _____ on big cheery candies. They taste good.
a suck **b** touch **c** drip

Complete the dialogue.

A: The mosquitoes kept _____ all night long last night. I couldn't sleep at all!

B: You must be _____ then. Did you get any mosquito bites?

A: I did. My arms and legs _____ a lot.

B: Well, do you know only the _____ mosquitoes bite?

A: Really? I didn't know that.

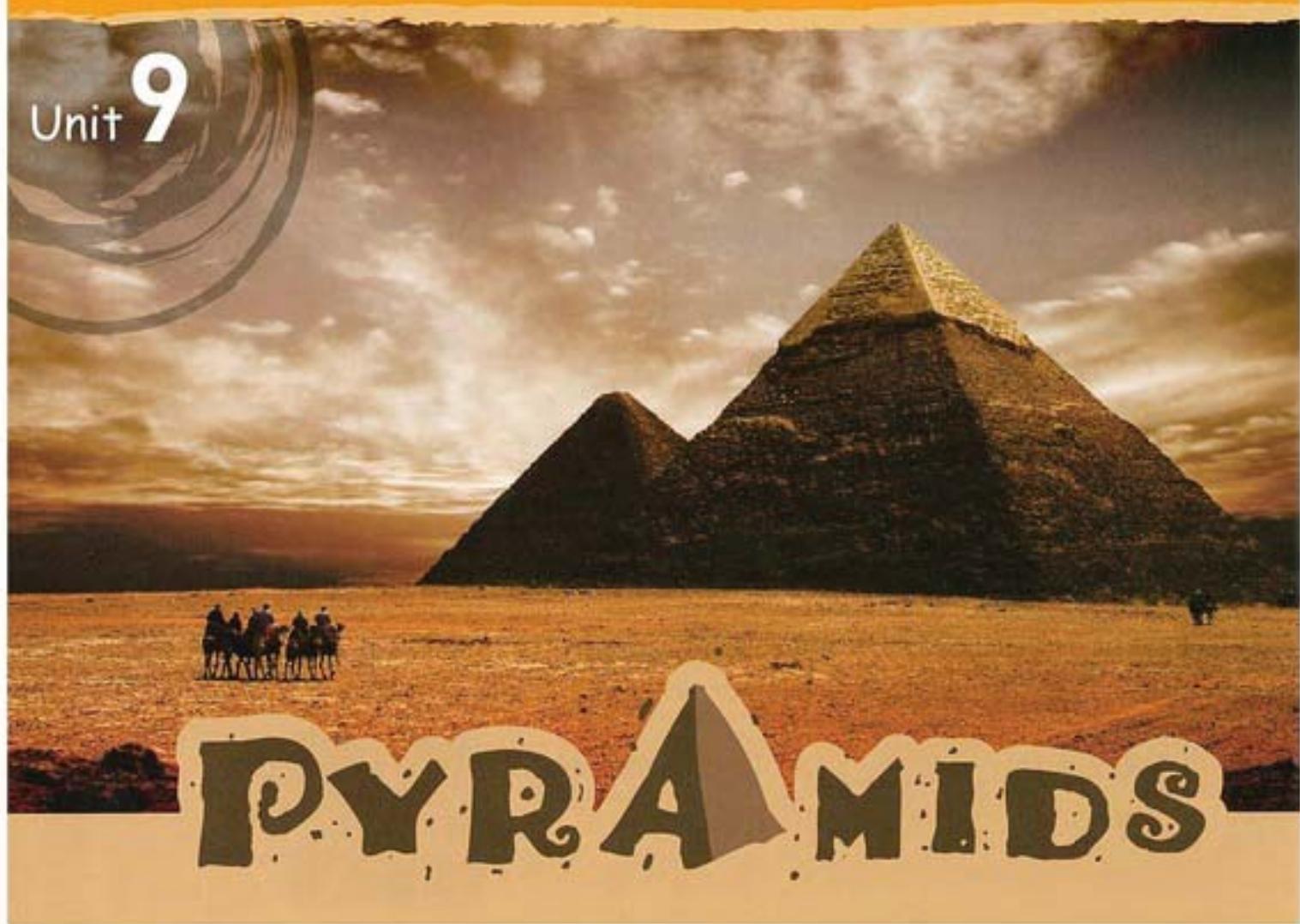
itch

tired

female

buzzing

Unit 9



Get Ready

1. Which words tell about pyramids?

tower
Egypt

mummy
camel

Colosseum
triangle

Sphinx
pharaoh

2. Listen and repeat the sentences.

- a. My dog **buries** its bone in the garden.
- b. I **weigh** myself on a scale every week.
- c. I used many colors in my **painting**.
- d. People **carve** pumpkins for Halloween.
- e. Dracula lives in a **coffin**.

The ancient Egyptians built pyramids for their kings who were called pharaohs. When pharaohs died, the Egyptians buried them in pyramids.

The pyramids were made of big stone blocks. Each block weighs about 2.5 tons. That is about the weight of 25 refrigerators! A pyramid has more than 2 million blocks. It is amazing that the ancient Egyptians moved the huge blocks and built these big, strong pyramids.

The insides of the pyramids are also amazing. Many paintings are carved on the walls. The paintings tell the stories of the dead pharaoh's life. There is also a special room in each pyramid. This room has the pharaoh's chairs, clothes, cups, sandals, and a coffin. Inside the coffin is a body wrapped in white cloth. This is the dead pharaoh's mummy.

The pyramids tell us many things about the ancient Egyptians' amazing science and culture.

carved
painting



mummy



Check Comprehension



Language

Choose the correct answers.

1. What is the passage mainly about?

- a how big pyramids are
- b how pyramids are built
- c how amazing pyramids are

2. Which picture has the same weight as one pyramid block?

a



25 booths

b



25 coffins

c



25 refrigerators

3. According to the passage, which is NOT true?

- a Mummies are wrapped in white cloth.
- b Many paintings are hanging on the wall of a pyramid.
- c There are the pharaoh's clothes and sandals in a pyramid.

Fill in the blanks.

4. The ancient Egyptians called their kings, _____.

5. Each block of a pyramid _____ about 2.5 tons.

Build Vocabulary



Complete the sentences.

weigh

painting

carve

buried

- Some artists _____ on ice and make ice sculptures.
- Your dog looks very heavy. How much does it _____?
- The pirates _____ the chest on the island.
- Can you believe it? My _____ won the second prize!

Organize Information



Complete the graphic organizer.

Pyramids

Detail 1: Science

- Pyramids are _____.
- A pyramid has more than 2 million blocks.

Detail 2: _____

- _____ tell about the pharaoh.
- A room has the pharaoh's belongings and _____.

 the coffin with the mummy

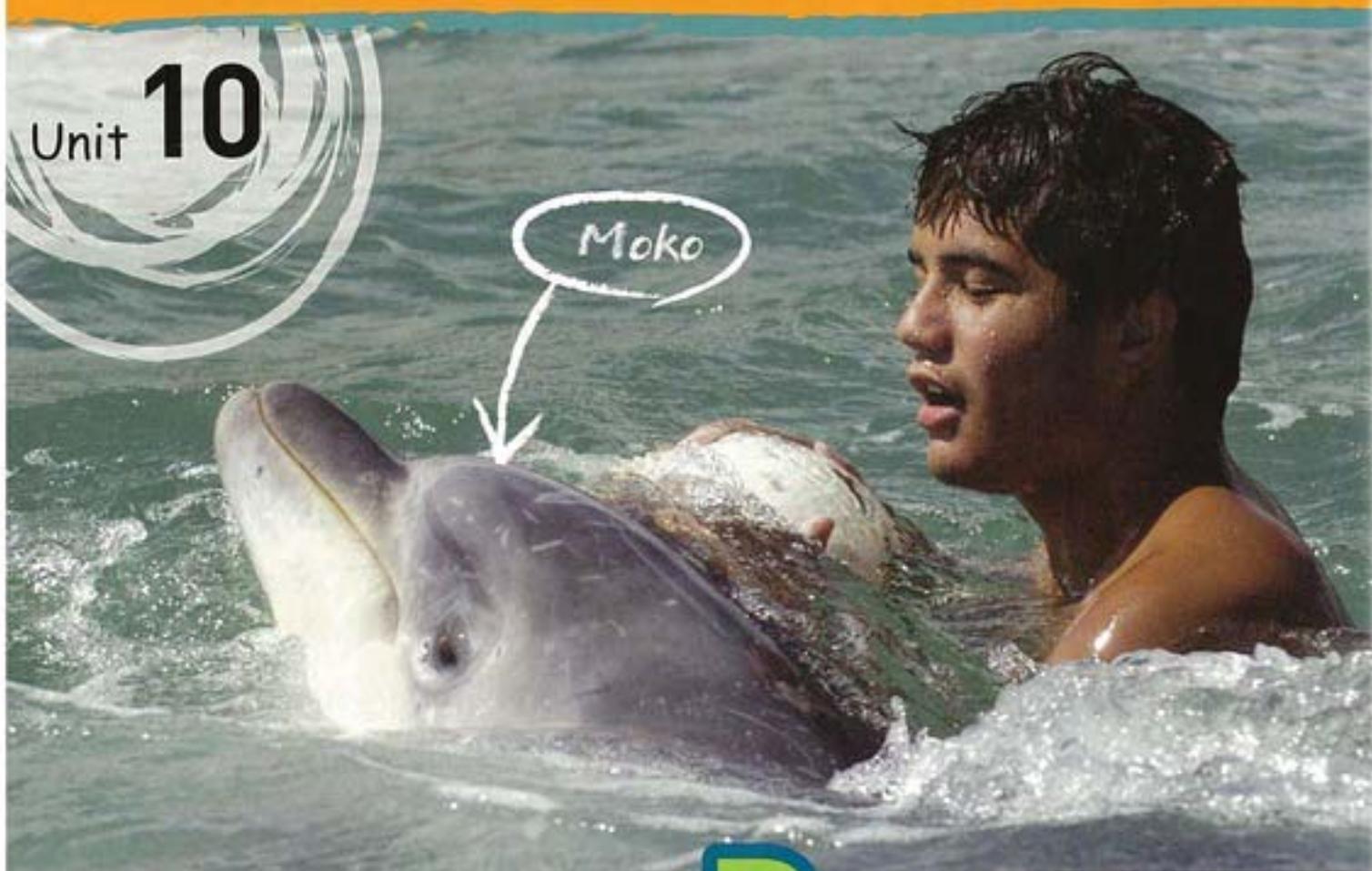
 big and strong

 Many paintings

 Culture



Unit 10



Moko to the Rescue

Get Ready

1. Who rescue people?

teacher	lifeguard	banker	police officer
designer	firefighter	singer	animal trainer

2. Listen and repeat the sentences.



- Wild animals are not fed by humans.
- The policeman rescued a girl from danger.
- A boat was stuck in the mud.
- I was confused and gave a wrong answer to the teacher.
- I followed Mom to the supermarket.

In March 2008, a wild dolphin surprised people. The dolphin rescued two whales!

Two whales, a mom and its baby, were stuck on a beach in New Zealand. The whales could not swim back into the ocean. And they were not safe on the beach. Some people tried pushing the whales out into the ocean. But the whales kept swimming back onto the beach. The whales were confused. People could hear the whales crying to each other for help. Nobody knew what to do. But then, the hero arrived. It was a dolphin called Moko!

Moko called to the whales. The whales followed Moko out to the sea. They never returned to the beach. The whales were safe in the ocean. After saving the whales, Moko returned to the beach to play with the people.

No wonder
everyone loves
dolphins. They really
are smart and
friendly.

whale



Check Comprehension



Choose the correct answers.

1. What is the passage mainly about?

- a how amazing dolphins are
- b a story of an animal hero
- c two whales in danger

2. Who is Moko?

a



a whale

b



a dolphin

c



a boy

3. According to the passage, which is true?

- a People couldn't help the whales.
- b In March 2008, a dolphin in a zoo surprised people.
- c The two whales came back again after being rescued.

Fill in the blanks.

4. Two whales were _____ and couldn't swim back to the ocean.

5. Moko became a _____ after rescuing the whales.

Build Vocabulary  **Complete the sentences.**

wild

rescued

stuck

confused

- The firefighters _____ a cat from an apartment on fire.
- The students were _____ and couldn't answer the math questions.
- The _____ hippos like to stay in cool places near a big river.
- John can't open the door. The key is _____ in the lock.

Organize Information  **Complete the graphic organizer.****Moko to the Rescue**

- Two whales were _____.
- People tried _____ but failed.
- Moko arrived and _____.
- Then, the whales _____.

 **stuck on a beach** **pushing the whales** **followed Moko out to the sea** **called to the whales**

Unit 11

The South Pole

Which is Colder?

Get Ready

1. Which words tell about the South Pole?

whale

seal

igloo

glacier

penguin

snow

eskimo

polar bear

2. Listen and repeat the sentences.



- Balloons are **floating** in the blue sky.
- The **thick** coat will keep you warm in winter.
- It was **freezing** cold in the desert at night.
- The glass fell and broke into **pieces**.
- He has the world **record** for being the fastest skateboarder.

Which is colder—the North or the South Pole? Both are very, very cold. Both are covered in ice. Both have no sunshine for six months. However, they have some differences.

The North Pole is in the middle of the ocean. The ocean is called the Arctic Ocean. In winter, the Arctic Ocean warms the cold air. In summer, the ocean cools down the temperature. There is ice floating on the Arctic Ocean, but it is not thick.

The South Pole is a large piece of land. This land is called Antarctica. The land is covered with thick ice. There is only freezing ice at the South Pole and nothing else. The South Pole has the record for the coldest weather on Earth. It was minus 89.9 degrees Celsius!

Now, you know which place is colder. Wear thicker socks when you visit the South Pole!

floating ice



The North Pole

Check Comprehension



Choose the correct answers.

1. What is the passage mainly about?

- a cold places in the world
- b why the South Pole is cold
- c differences between the South and North Pole

2. Which is colder?

a



the South Pole

b



the North Pole

c



both poles are the same

3. According to the passage, which is true?

- a The land of the South Pole is called the Arctic.
- b The Arctic Ocean makes the North Pole colder in winter.
- c The ice in the North Pole is thin.

Fill in the blanks.

4. In summer, the Arctic Ocean _____ the temperature.

5. The land of the South Pole is called _____.

Build Vocabulary



Complete the sentences.

thick

freezing

piece

record

- I want to break the world _____ and put my name in the Guinness Book of World Records.
- It is _____ outside. I don't feel like swimming today.
- That's a really _____ book. It will take a year to finish reading it.
- I am not that hungry. A _____ of cake is enough.

Organize Information

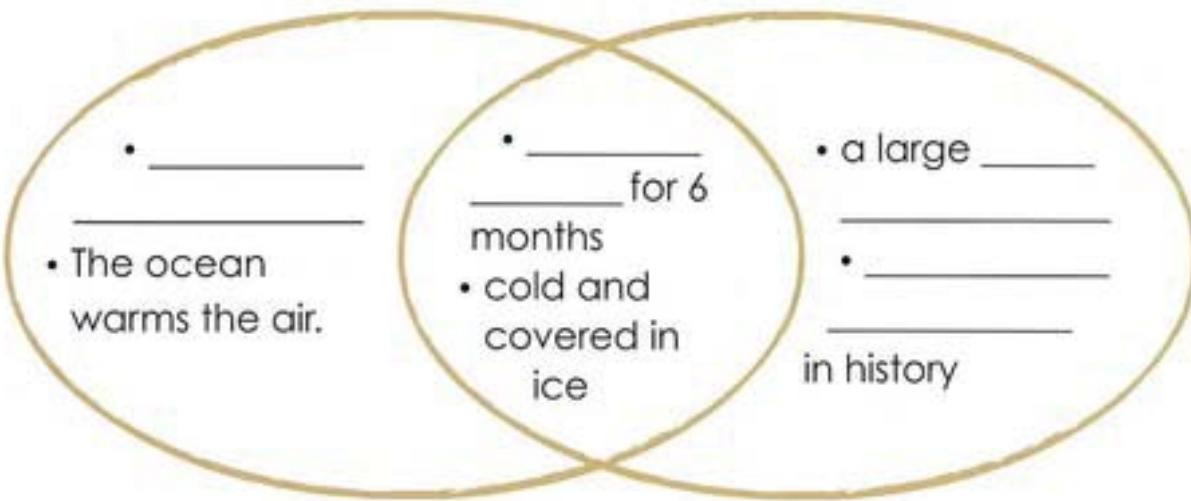


Complete the graphic organizer.

The North Pole

VS

The South Pole



in the middle of the ocean

no sunshine

piece of land

coldest temperature





Reading Dots

Get Ready

1. What do you enjoy reading?

comic book

non-fiction book

magazine

newspaper

letter

novel

2. Listen and repeat the sentences.



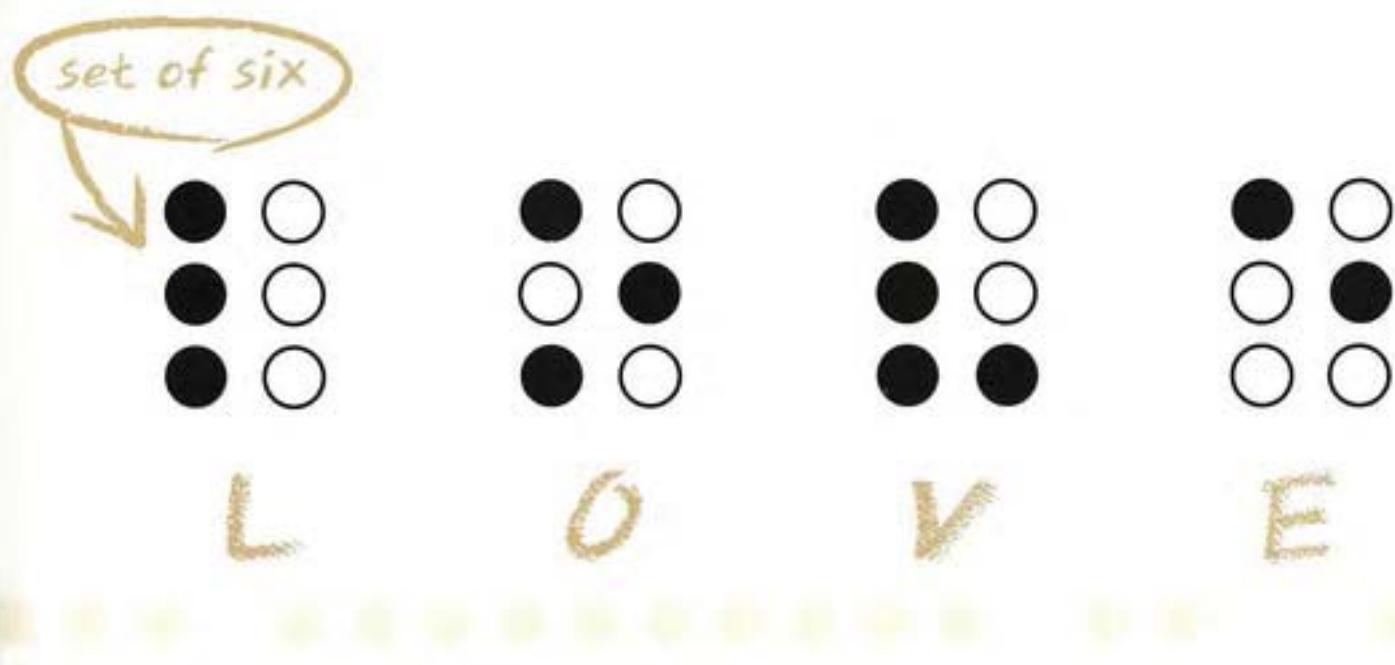
- We **need** food to live.
- I try to **find** the answer to the puzzle.
- Don't **poke** me with your finger!
- I have the whole **set** of the Harry Potter series.
- The wind blows the **light** feather up to the sky.

Louis Braille hurt his eyes at the age of 3. He became blind. He learned to read wooden books using his fingers. The letters were carved into wood. And the books were big and heavy. Louis needed a better way to read.

One day, Louis heard about night writing. The night writing was made of dots and dashes. It helped soldiers read in the dark. Louis tried it. But it was too difficult to learn because there were too many dots and dashes in one letter.

Louis thought of another way. He poked dots in sets of six in paper. Each set was different. Each set meant a different letter or a different number. Because of his ideas, the books for the blind became very light and easy to learn.

Louis found a new way to read at the age of 15! The new way is called "Braille." Today, blind people use Braille to read.



Check Comprehension

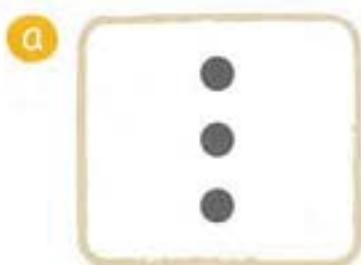


Choose the correct answers.

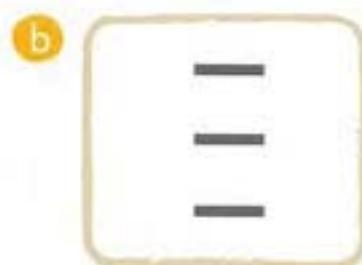
1. What is the passage mainly about?

- a how to read Braille
- b facts about night writing
- c the invention of Braille

2. What did Louis use as a new way to read?



dots



dashes



dots and dashes

3. According to the passage, which is true?

- a Louis Braille was born blind.
- b When Louis was young, there was no way to read for the blind.
- c Soldiers used the night writing made of dots and dashes.

Fill in the blanks.

4. The first type of books Louis used was made of _____.

5. Each set of Braille has six _____.

Build Vocabulary

Complete the sentences.

set

found

poke

light

1. It is dangerous to _____ a bee nest with a stick.
2. This backpack is so _____. I can carry it all day.
3. I need two more puzzle pieces to finish the _____.
4. I thought I lost my wallet, but I _____ it under the bed.

Organize Information

Complete the graphic organizer.

Books for _____

The Old Ways

- Wooden books were _____.
- _____ had too many dots and dashes.



The New Way

- Braille is _____.



Night writing



Blind People



light and easy to learn



very big and heavy



Vocabulary Check 3



Match the pictures with the words.

1.



2.



3.



4.



•

•

•

•

•

•

•

•

a dash

b coffin

c mummy

d whale



Match the words with the similar meanings.

1. light

•

a discover

2. thick

•

b not understanding

3. confused

•

c not thin

4. find

•

d not heavy

Choose the correct answers.

1. I took a shower in _____ cold water and caught a cold.
a freezing **b** melting **c** thick
2. The helicopter _____ the people from the melting iceberg.
a stuck **b** rescued **c** arrived
3. I usually _____ more in the morning than in the evening.
a move **b** weigh **c** carry
4. Let me show you the way to the park. _____ me.
a Find **b** Catch **c** Follow

Complete the dialogue.

A: I learned about the Egyptian culture today.

B: Tell me what you know.

A: The Egyptians _____ pictures on the walls.

B: Do you know what they are about?

A: Some _____ are about hunting _____ animals.

B: That's right. What else do you know?

A: I know that the Egyptians _____ their kings in pyramids.

buried

wild

carved

paintings

Unit 13



Wasps and Bees

Get Ready

1. Which words tell about bees?

buzz

nectar

honey

creep

sting

queen

group

tunnel

2. Listen and repeat the sentences.



- Frogs and toads look **similar**.
- I always **spread** strawberry jam on my bread.
- Do not **chew** gum in class.
- I like to sleep with a **soft** pillow.
- Paper is made from wood **pulp**.

Wasps and bees look similar. Both of their bodies are black and yellow. They both have wings and stingers. But they have different homes and eat different food.

Wasps live in nests. They use paper to make cells in their nests. First, wasps collect wood in their mouths. Then, they chew the wood. This makes a soft pulp. Next, wasps spread the soft pulp in their nests. When it dries, it becomes a paper cell. Wasps lay eggs in those paper cells. And wasps eat other bugs for food!

Bees make cells, too. But they make the cells with wax. The wax comes out from worker bees' bodies. Then, they chew it. This makes the wax soft. Bees' food is also different from wasps'. Bees visit flowers. They make honey from the flower's nectar. Then, they eat it!

Wasps and bees look similar. But now you know they are not.



Check Comprehension



Choose the correct answers.

1. What is the passage mainly about?

- a wasps and bees' homes and food
- b wasps and bees' nests and cells
- c wasps and bees' bodies and colors

2. Where does a bee's wax come out?

a



the body

b



the mouth

c



the stinger

3. According to the passage, which is NOT true?

- a Wasps lay eggs in a cell.
- b Bees chew wax to make it soft.
- c Bees eat other bugs for food.

Fill in the blanks.

4. Wasps and bees look similar, but they are not the _____.

5. Wasps collect wood and _____ it.

Build Vocabulary **Complete the sentences.**

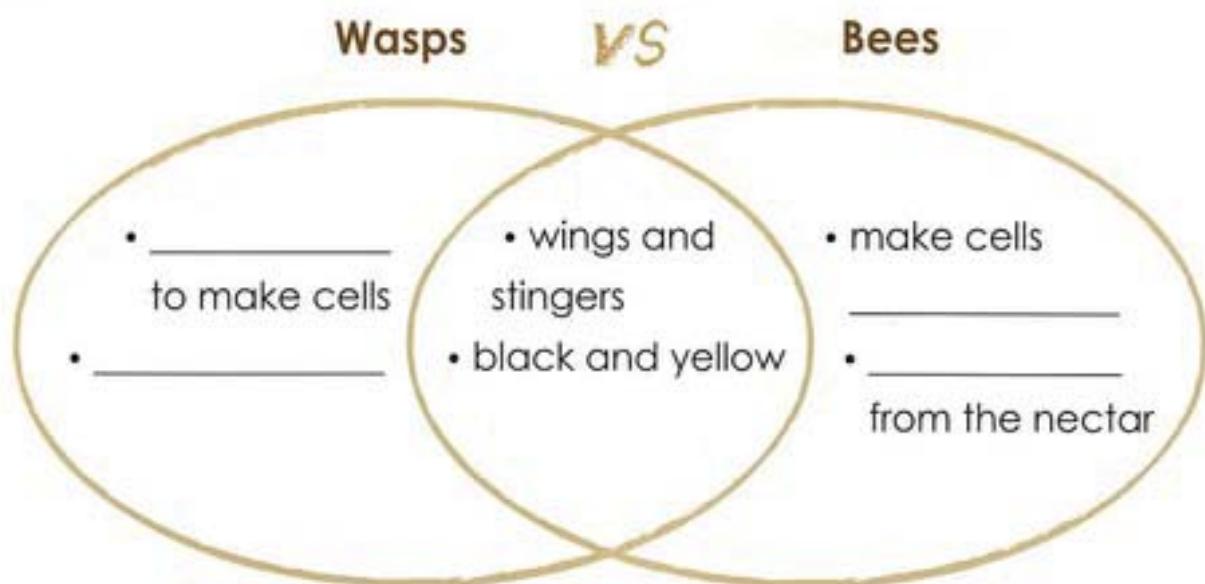
similar

spread

chew

soft

1. Make sure you _____ the sauce on the pizza dough.
2. Twins look _____ but you can recognize who is who.
3. Eat slowly and _____ your food well.
4. The lotion made my hands _____.

Organize Information **Complete the graphic organizer.**

 eat bugs

 collect wood

 make honey

 with wax



You Can Be a Potato-Farmer!

Get Ready

1. What is your favorite potato dish?

French fries
potato soup

mashed potato
baked potato

hashed potato
potato chips

2. Listen and repeat the sentences.



- Mom tells me to **dry** my hair after washing it.
- To save the Earth, we have to **plant** many trees.
- There is **space** next to the table for a TV.
- Try to drink **at least** one glass of milk everyday.
- In winter, the **temperature** goes down.

Let's grow potatoes! It is very easy to do.

First, take a potato. Next, dry the potato under the sun for two hours. Then, plant it in the ground. After two or three weeks, a potato plant will rise out of the ground. The potato plant will make flowers. When the flowers die, carefully dig up your potato plant. Then, you will have your own potatoes!

But remember four important things! First, plant the potato about 20 centimeters deep. Second, each potato needs some space. There should be at least 30 centimeters of space between each potato plant. Third, use the right soil. Add animal compost or some fish to the soil to help the potatoes grow. Finally, the temperature is important. The best temperature is between 15 and 20 degrees Celsius.

Good luck! But you do not have to plant many potatoes. One plant can make more than eight new potatoes!



Check Comprehension



Choose the correct answers.

1. What is the passage mainly about?

- a growing potatoes
- b eating potatoes
- c cooking potatoes

2. When is the time to dig up the new potatoes?

a



when the flowers die

b



when the leaves fall

c



when the plants rise out

3. According to the passage, which is true?

- a The best temperature is between 15 and 25 degrees Celsius.
- b One potato plant can make at least eight potatoes.
- c Before planting, dry a potato for two days.

Fill in the blanks.

4. Add animal _____ to help potatoes grow.

5. Between two potato plants, there must be at least 30 centimeters of
_____.

Build Vocabulary



Complete the sentences.

dry

plants

space

temperature

1. My grandmother _____ fruits and vegetables in her garden.
2. Take the next bus, there is no _____ in this one.
3. Mom washes the dishes, and I _____ them with the cloths.
4. It's too hot. Can you check the _____?

Organize Information

Complete the graphic organizer.

How to Grow Potatoes

Process

1. Take a potato.
2. _____.
3. _____.
4. Wait.
5. _____.

Tips

- Plant the potato about 20 centimeters deep.
- _____.
- Use the right soil.
- Give the right temperature.

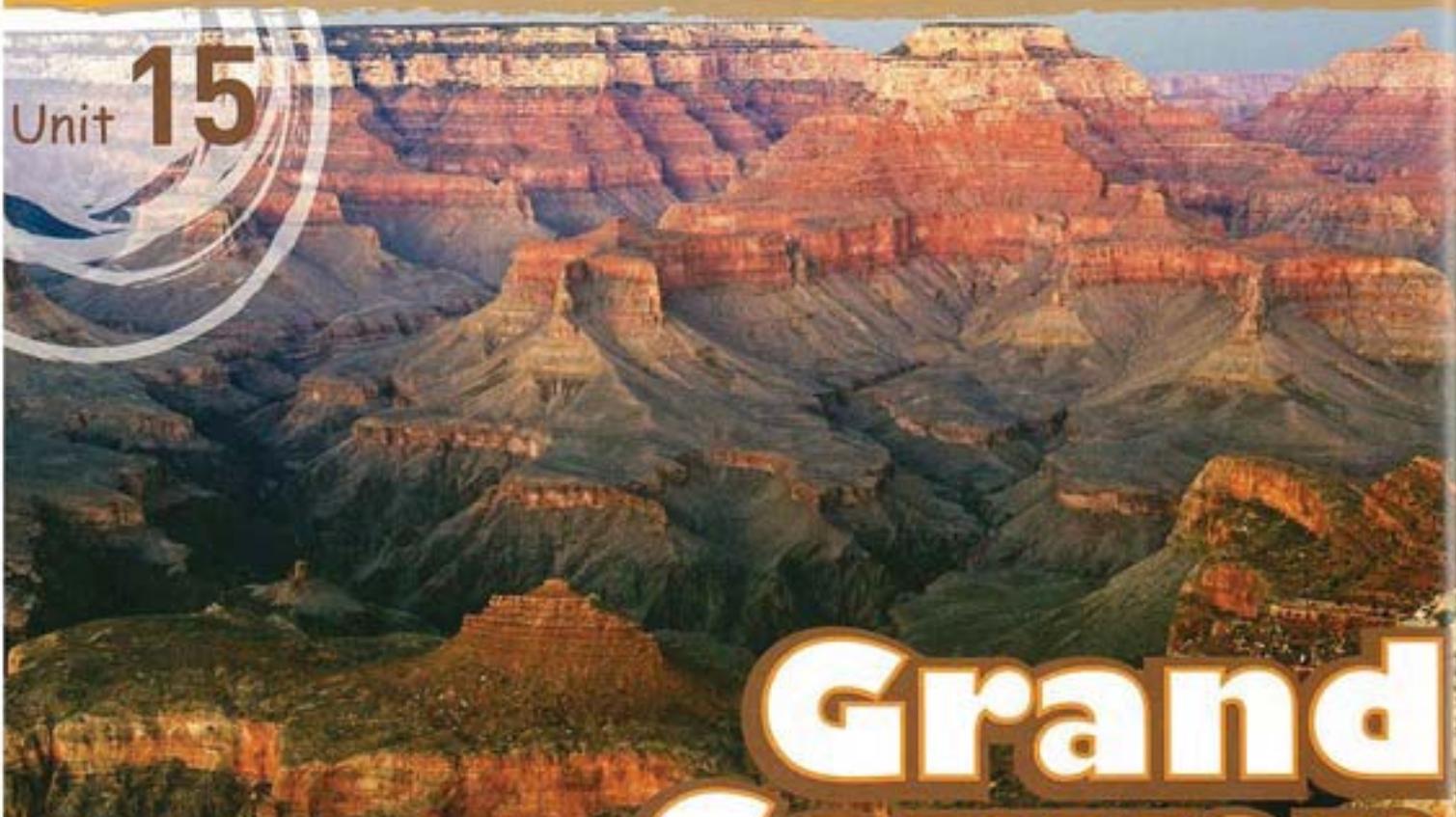
Each potato needs some space

Plant it in the ground

Dig up your potato plant

Dry the potato





Grand Canyon

Get Ready

1. What do you know about the Grand Canyon?

- It is in the United States.
- Scientists made it.
- People can't climb it.
- There is a big river.

True False

<input type="checkbox"/>	<input checked="" type="checkbox"/>

2. Listen and repeat the sentences.

- a. My dog dug many **holes** in the garden.
- b. Niagara Falls is **spectacular**.
- c. The **view** from the top of the tower is amazing.
- d. Dad likes to **hike** over the mountain.
- e. I **searched** everywhere in my room to find an eraser.

The Grand Canyon is an amazing sight. It is 446 kilometers long and 1.6 kilometers deep. It looks like a big city of rocks.

The Grand Canyon was made by a river. The Colorado River cut through the rocks. The water was powerful. It made big and deep holes in the ground. It took about 17 million years to make the Grand Canyon. Even now, the river still flows through it. Millions of people visit the Grand Canyon to see the spectacular view.

There are many ways to see the Grand Canyon. Some people hike down there. Others take a mule ride. Along the way, people often see many animals. They might see lizards, ravens, and mountain lions. People can also see the Grand Canyon from the river. Some of them take canoe rides. Along the river, they sometimes search for fossils of fish and seashells.

The Grand Canyon is one of the deepest and longest canyons in the world. From its fantastic view, we can feel the power of nature.

The Colorado River

canoe ride



Check Comprehension



Choose the correct answers.

1. What is the passage mainly about?

- a facts about the Colorado River
- b facts about the Grand Canyon
- c activities to do in the Grand Canyon

2. What animals do NOT live in the Grand Canyon?



lizards



ravens



pandas

3. According to the passage, which is NOT true?

- a The Grand Canyon was made by the California River.
- b People can see fossils of fish in the Grand Canyon.
- c The Grand Canyon is 446 kilometers long.

Fill in the blanks.

4. The powerful water made big and deep _____ in the ground.

5. The Grand Canyon makes us feel the power of _____.

Build Vocabulary



Complete the sentences.

hole

spectacular

searched

hiking

- The fireworks make a _____ scene.
- The hunter covered the _____ with leaves to trick the rabbits.
- I _____ all my pockets to find the 10 dollar bill.
- Don't go _____ in bad weather.

Organize Information

Complete the graphic organizer.

A River Built a City of Rocks

The river cut _____.



The water made _____.



17 million years _____.



It became _____.



through the rocks



passed by



big and deep holes



a city of rocks



Unit 16



A New Life for Trash

Get Ready

1. What do you recycle?

clothes	book	toy	cooking foil
vegetable	water	can	plastic bottle
newspaper	paper	glass	tooth brush

2. Listen and repeat the sentences.



- Throw the stinky **garbage** away.
- Old tires are **recycled** to make new tires.
- When things **break down**, they get spoiled.
- A calculator is very **useful** when you are adding big numbers.
- Put the question **mark** at the end of the sentence.

The Earth is turning into a big garbage can. It is a big problem. But we can help the Earth by recycling.

Recycling means taking something old and making it new. We can recycle paper. This means old paper becomes new paper. We save trees and energy by recycling paper. We can also recycle glass.

People often throw away plastic. This is very wrong. It takes hundreds of years for plastic to break down. But if we recycle plastic, it can become many things. It can become a piece of furniture. It can become signs on the roads. It can even become garbage cans. Paper, glass, and plastic—they are all useful.

Some things cannot be recycled. Look for this special mark on things.



It means they can be recycled.

Next time, think before you throw something out. Recycling is easy to do. You can help clean the planet!



Check Comprehension



Choose the correct answers.

1. What is the passage mainly about?

- a importance of recycling
- b importance of saving garbage
- c our dirty planet

2. Which can NOT be recycled?

a



glass

b



plastic

c



fish bone

3. According to the passage, which is true?

- a It takes ten years to break down plastic.
- b Not everything can be recycled.
- c Glass can be recycled and become signs.

Fill in the blanks.

4. _____ paper can save trees and energy.

5. Things with this _____ () on can be recycled.

Build Vocabulary

Complete the sentences.

garbage

recycle

broken down

useful

1. Trash is buried and _____ underground.
2. Tom does not like to take out the yucky and smelly _____.
3. You can _____ your toys if you no longer play with them.
4. The spy gave a _____ tip to the police.

Organize Information

Complete the graphic organizer.

Plastic Water Bottle

If you don't recycle

- Plastic _____
_____.
- The Earth _____
_____.

If you recycle

- Plastic _____
_____.
- The Earth _____
_____.

turns into a big garbage can

needs a long time to rot away

becomes furniture or signs on the road

becomes a clean planet

Vocabulary Check 4

Match the pictures with the words.

1.



2.



3.



4.



a mummy

b plastic

c garbage

d canoe ride

Match the words with the similar meanings.

1. temperature

a heat

2. break down

b spoil

3. soft

c sign

4. mark

d smooth

Choose the correct answers.

1. Mom told me to _____ the seeds in the ground as deep as possible.

- (a) water (b) plant (c) grow

2. Dictionaries are _____ when you want to know the meaning of a word.

- (a) joyful (b) careful (c) useful

3. Can you _____ about the Grand Canyon on the Internet?

- (a) search (b) look (c) leave

4. Don't _____ with your mouth open.

- (a) bite (b) take (c) chew

Complete the dialogue.

A: What did you do on the weekend?

B: I went on a _____ with my dad.

A: Did you have a good time?

B: Of course, I did. I go to the mountain _____ once a week.

A: Don't you get tired?

B: I do. But the _____ on top of the mountain is _____.

view

spectacular

hike

at least

Glossary

Unit 1 Facts about Sloths

fact: a true and real thing; truth
upside down: turned so that the top part is at the bottom
give birth to: to bear
hang: to put up high
curved: not straight; bent

Unit 2 Gladiators

enjoy: to have fun
ancient: very very old
cheer: to give a loud shout
receive: to get
attention: an act of care

Unit 3 Meet Joey

pouch: a natural pocket of skin
crawl: to move slowly usually on the hands and knees
grow up: to become an adult
a few: a very small number
leave: to go away

Unit 4 Your ID, Please!

change: to become different
pattern: a repeated design
sign: to write your name
recognize: to know or remember
unlock: to open

Unit 5 Don't Bite Me!

buzz: to make a low humming sound
female: a girl or a woman
suck: to pull in through the mouth
sneeze: to blow air from the nose
itch: to feel like scratching

Unit 6 Get the Ball Rolling!

thin: having very short distance between top and bottom
fill: to make something full
roll: to move along by turning over and over
along: by the length of; next to
leave: to put something behind



Unit 7 Why Do We Sleep?

tired: needing rest

breathe: to make air come in and go out from the body

rest: to relax

active: doing something; working

forget: to fail to remember

Unit 8 Saving Energy

save: to keep for future use; store

turn off: to stop or shut down

turn down: to make something less powerful, bright, loud, or hot

drip: to fall in drops

healthy: in good condition

Unit 9 Pyramids

bury: to put in the ground and cover with earth

weigh: to know how heavy something is

painting: a picture or design

carve: to cut into a shape

coffin: a box where a dead person is buried

Unit 10 Moko to the Rescue

wild: living freely in nature

rescue: to save from danger

stuck: not being able to move

confused: not understanding

follow: to go after

Unit 11 Which is Colder?

float: to stay on the surface or in the air without sinking or falling

thick: having very long distance between top and bottom

freezing: very cold; chilled

piece: a part of a whole thing

record: data or information about a special event

Unit 12 Reading Dots

need: to have to have; want

find: to get something after a search; discover

poke: to push with a pointy thing

set: a group of things that are used together

light: not heavy and easy to lift

Glossary

Unit 13 Wasps and Bees

similar: almost the same
spread: to stretch out
chew: to bite with teeth
soft: not hard or stiff; smooth
pulp: a soft and wet thing made from wood

Unit 14 You Can Be a Potato Farmer!

dry: to make something not wet
plant: to put into the ground
space: an empty place
at least: smallest amount; minimum
temperature: the degree of heat

Unit 15 Grand Canyon

hole: an opening or empty place that is usually round
spectacular: impressive to look at; very large and great
view: a scene
hike: to walk a long way for exercise or pleasure
search: to look carefully to find something

Unit 16 A New Life for Trash

garbage: trash; waste
recycle: to collect old things and use them again
break down: to spoil and rot
useful: good to use
mark: a sign